

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Zhang et al.)	Examiner:
)	To Be Assigned
Serial No. :	Division of 10/078,843)	
)	Art Unit:
Cnfrm. No. :	To Be Assigned)	To Be Assigned
)	
Filed :	Herewith)	
)	
For :	A MICROCHIP ELECTROSPRAY DEVICE)	
	AND COLUMN WITH AFFINITY)	
	ADSORBENTS AND USE OF THE SAME)	

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97-1.98**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

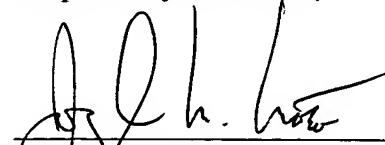
In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, applicants hereby bring to the attention of the United States Patent and Trademark Office ("PTO"), pursuant to 37 C.F.R. §§ 1.97-1.98, the documents listed on the attached PTO-1449 form.

Pursuant to a waiver by the PTO, copies of the cited U.S. Patents are not enclosed. Pursuant to 37 CFR § 1.98(d), the non-patent documents identified on the attached PTO-1449 form are not provided, because these references either were previously cited by or submitted to the PTO in parent U.S. Patent Application Serial No. 10/078,843, filed February 19, 2002, of which this application is a division.

Respectfully submitted,

Date:

9/9/03



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Registration No. 32,163

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	Division of 10/078,843
				Filing Date	Herewith
				First Named Inventor	Zhang
				Art Unit	To Be Assigned
				Examiner Name	To Be Assigned
Sheet	1	of	2	Attorney Docket Number	200701/1126

U.S. PATENT DOCUMENTS					
Examiner Initials [*]	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-4,913,812	04/03/1990	Moriguchi et al.	
	2	US-5,045,190	09/03/1991	Carbonell et al.	
	3	US-5,240,602	08/31/1993	Hammen	
	4	US-5,316,680	05/31/1994	Frechet et al.	
	5	US-5,334,310	08/02/1994	Frechet et al.	
	6	US-5,431,807	07/11/1995	Frechet et al.	
	7	US-5,453,185	09/26/1995	Frechet et al.	
	8	US-5,645,717	07/08/1997	Hjertén et al.	
	9	US-5,872,010	02/16/1999	Karger et al.	
	10	US-5,935,429	08/10/1999	Liao et al.	
	11	US-6,048,546	04/11/2000	Sasaki et al.	
	12	US-6,238,565 B1	05/29/2001	Hatch	
	13	US-6,265,168	07/24/2001	Gjerde et al	
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known			
				Application Number		Division of 10/078,843	
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				Group Art Unit		To Be Assigned	
				Examiner Name		To Be Assigned	
Sheet	2	of	2	Attorney Docket Number		200701/1126	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	14	Gale et al., "Small Volume and Low Flow-Rate Electrospray Ionization Mass Spectrometry of Aqueous Samples," <u>Rapid Commun. Mass Spectrom.</u> , 7:1017-1021 (1993)	
	15	Gusev et al., "Capillary Columns With in Situ Formed Porous Monolithic Packing for Micro High-Performance Liquid Chromatography and Capillary Electrochromatography," <u>J. Chromatogr. A</u> , 855:273-290 (1999)	
	16	Hjerten et al., "High-Performance Liquid Chromatography on Continuous Polymer Beds," <u>J. Chromatogr.</u> , 473:273-275 (1989)	
	17	Nelson et al., "Biosensor Chip Mass Spectrometry: A Chip-Based Proteomics Approach," <u>Electrophoresis</u> , 21:1155-1163 (2000)	
	18	Merchant et al., "Recent Advancements in Surface-Enhanced Laser Desorption/Ionization-Time of Flight-Mass Spectrometry," <u>Electrophoresis</u> , 21:1164-1167 (2000)	
	19	Peters et al., "Molded Rigid Polymer Monoliths as Separation Media for Capillary Electrochromatography. 1. Fine Control of Porous Properties and Surface Chemistry," <u>Anal. Chem.</u> , 70:2288-2295 (1998)	

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	14	Gale et al., "Small Volume and Low Flow-Rate Electrospray Ionization Mass Spectrometry of Aqueous Samples," <u>Rapid Commun. Mass Spectrom.</u> , 7:1017-1021 (1993)	
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